

08-24-2016

BRANCH V, DIVISION II, MEMORIAL PARK AREA

SANTA LUCIA SUMMER HOME TRACT, STRUCTURE DEFENSE



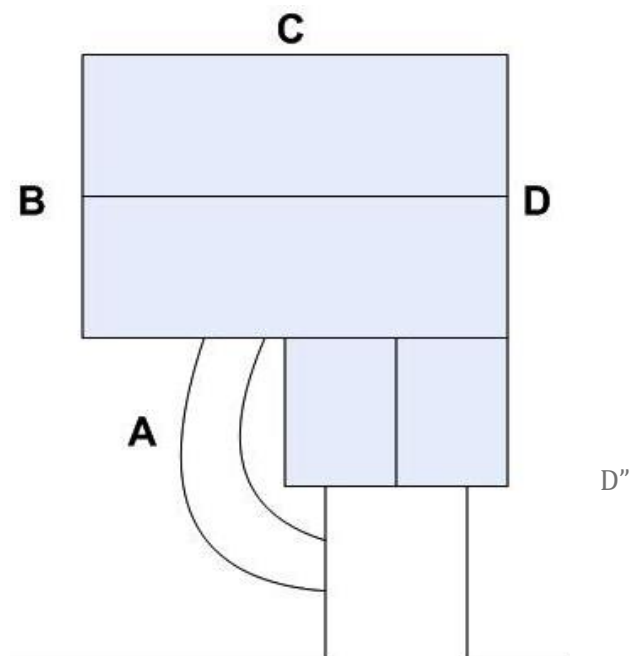
**PREPARED BY MARIN COUNTY FIRE DEPARTMENT'S
TAMALPAIS FIRE CREW**

OVERVIEW

The Marin County Fire Department's Tamalpais Fire Crew and the City of Los Angeles Fire Department's Strike Team 1880C conducted structure triage and developed a structure defense plan for the Santa Lucia Summer Home Tract located in the Los Padres National Forest.

STRUCTURE TRIAGE

The strike team and hand crew broke into teams to assess each structure within the community. To describe which side of each cabin posed a potential risk, the "A, B, C, D" method was used. The "A" side faces the street, the "B" side is the



left, the “C” side is the rear, and the “D” side is the right.

Below is a list of all homes in community with detailed hazards and pertinent information. All homes have been tagged with Yellow WUI placards.



LOT # 0 FOREST SERVICE HISTORIC CABIN

- Wood shake roof that is very dry
- Good ground clearance with a hand line around building
- Raised foundation with wood porch with rattlesnake seen under porch
- LPG tank CD corner
- 2 outbuildings w/ defensible space, BC and CD corner
- Large staging area in front of and across the road at Memorial Campground
- 12,000 gallons of water stored in front of structure in portable tanks



LOT # 1

- Good ground clearance, needs clearing under house, wood deck
- LPG tank BC corner
- Garden hose connection AB corner



LOT # 2 (UNMARKED BETWEEN 1 & 3)

- Good ground clearance, wood shed BC corner, backs up to dry creek
- Ladder C side
- LPG behind shed
- 1 ½" standpipe on shed and C side of house (garden hose does not work)



LOT #3

- Good ground clearance, leaves under the house
- LPG C side
- 1 ½ standpipe A side of the building (can be used for water for Lots 1&2)



LOT # 4

- Good ground clearance, first house on the street
- Shed C side 50 ft
- LPG BC corner
- Garden hose B side, only water source



LOT #5

- Good ground clearance, wood pile B side
- Water spigots, 2 B side w/hose, 1 C side, 1 D side w/hose
- LPG tank C side



LOT #6

- Good ground clearance, wood deck W/dead fuel underneath D side
- Wood pile BC corner
- LPG tank AB corner
- Water Spigots: 1 A side w/hose, 2 C side w/hose, 1 D side
- Ladder C side



LOT #7

- Good ground clearance, wood deck w/dead fuel underneath D side
- Wood pile D side, small paint shed C side (defendable)
- Water Spigots: 1 B side w/hose, 3 C side w/hose, 1 D side
- Water Spigot on C side connect to Lot 8 water tanks
- Ladders B, C, and D side



LOT #8

- 2 story house(2 ladders on roof), good ground clearance, raised foundation, wood deck A side w/debris under
- Wood piles B side, LPG tank D side
- Water spigots: 2 A side w/hose, 1 ½ inch standpipe supplied by 2,500 gal. tanks
 - Tanks are uphill from the A side, must turned on at tanks
 - Tanks spring fed, appears like a low flow rate



LOT #9

- Good ground clearance, wood deck A, C, D side w/debris underneath
- LPG tank D side
- 100 ft. 1 ½ inch. hose D side
- Water spigots: 2 A side, 1 C side
- Creek running below C side, could potentially draft out of
- Ladder inside of structure

LOT #10



- Water source: 500 gallon tank (located at lot 8, tank supplies 2 other houses) 4 spigots .
- Adequate defensible space, lot is raked, latter fuels are limbed.
- Gas: Two 5 gallon propane tanks (owner is taking them away with them).
- Most glass panes on windows are replaced by screens.
- Wood pile within 20 ft. of small kitchen unit.



LOT #11

- Water source: 500 gallon tank (located lot #8, tank supplies 2 other houses)
- Adequate defensive space, lot is raked, latter fuels are limbed.

- Raised foundation, exposed to air flow and leaves.
- Screens on front patio.



LOT #13

- Water source: Two 500 gallon tanks (tanks are reserves, may not be full)
- Adequate defensible space, lot is raked, latter fuels are limbed.
- Full-time resident who knows the area very well
- Outbuilding has generator/ 2 used car batteries.

LOT #16



- Water source: one 200 gallon tank B side
- Good defensible space
- Comp roof mild canopy above
- One LPG B side



LOT#17

- Water source: One 500 gal tank D, one 2,000 gal tank A/D corner
- Good defensible space
- Two LPG tanks on A side

- Comp roof open canopy



LOT#18

- Water source: 300 gal tank C side
- Good defensible space
- One LPG tank D side
- Comp roof, mild canopy

LOT#19



- Water source: one 300 gal tank C side
- Good defensible space
- Scrap lumber under the D side deck
- One LPG tank A/D corner
- Comp roof, heavy canopy on the A/B side of the building



LOT#20

- Water source: three tanks B side (closest tank to house is empty) 1,500 and 500 gallon and a 500 gallon tank on the D side
- Good defensible space

- Lumber scraps under A side of deck
- One LPG tank D side

MIDDLE TRACK

The Middle Track is not part of the main cabin track and access is made ¼ mile south of the main road. There are three cabins in the track.



LOT #21

- Part time resident present, plans to stay: Richard Pozzi
- Good defensible space
- Comp. roof, some canopy on or near roof
- Two LPG tanks A side
- Two 500 gallon H2O tanks B ex. Spring produces approx. 20gal/hr



LOT #22

- Good defensible space but stacked lumber and other material behind cabin
- LPG tank B side
- Plastic roof, gutters clear, ladder under deck
- One in-ground H2O cistern C side approximately 500 gallons spring produces approx. 2 gallon/hour
- Screened porch is ripped in the rear porch



LOT #23

- Ok defensible space
- Older comp. roof, ladder on A side
- LPG tank B side

- One in ground H2O cistern approximately 500 gallon D side spring produces approx. 2 gallon/hour.
- Good ground clearance around structure, needs leaf blower

Southern Tract

The Southern Track is not part of the main cabin track and access is made one and a quarter mile south of the main road. There are three cabins in the track.



LOT #26

- 700 gallon tank on D side of structure located in the rock outcropping
- Windows on C side of structure are open.
- Water spigots: A/D corner, B side, and two in the patio area north of the structure
- Propane tank A/C corner



LOT #27

- Duff litter around structure, needs to be raked or leaf blower work
- Some canopy touching roof lines
- No water at site
- Rotted wood at base of skirting near front door vulnerable to embers



LOT #28

- Fire resistant deck with large rotted tree stump near the wood joist
- Limited ground fuels
- Ladder on C side of structure
- 1150 gallon water tank B/C corner

- Creek behind structure has great flow with large basins in the granite. One basin was 7.5 feet deep and another was 6.5 feet deep. Mark III pump installed with hoselay and sprinkler installed to protect all three cabins.

FIRE SUPPRESSION PLAN

Final recommendations would be to staff the community with a strike team of Type Three engines, a strike team of Type Six engines, and a hand crew prior to the fires arrival. If the fire burns with low to moderate intensity, engine companies should be successful with suppressing fires around the community. If the fire burn under high or extreme intensities, portable water tanks, pumps, and sprinklers have been installed in the main, middle and southern tracks (see maps on following pages). The system should be activated prior to leaving the area.

Based on spotting distance and forecasted fire behavior, the aforementioned resources should be in place if the fire approaches within two miles of Branch V.

Inventory of fire protection system:

Main Tract:

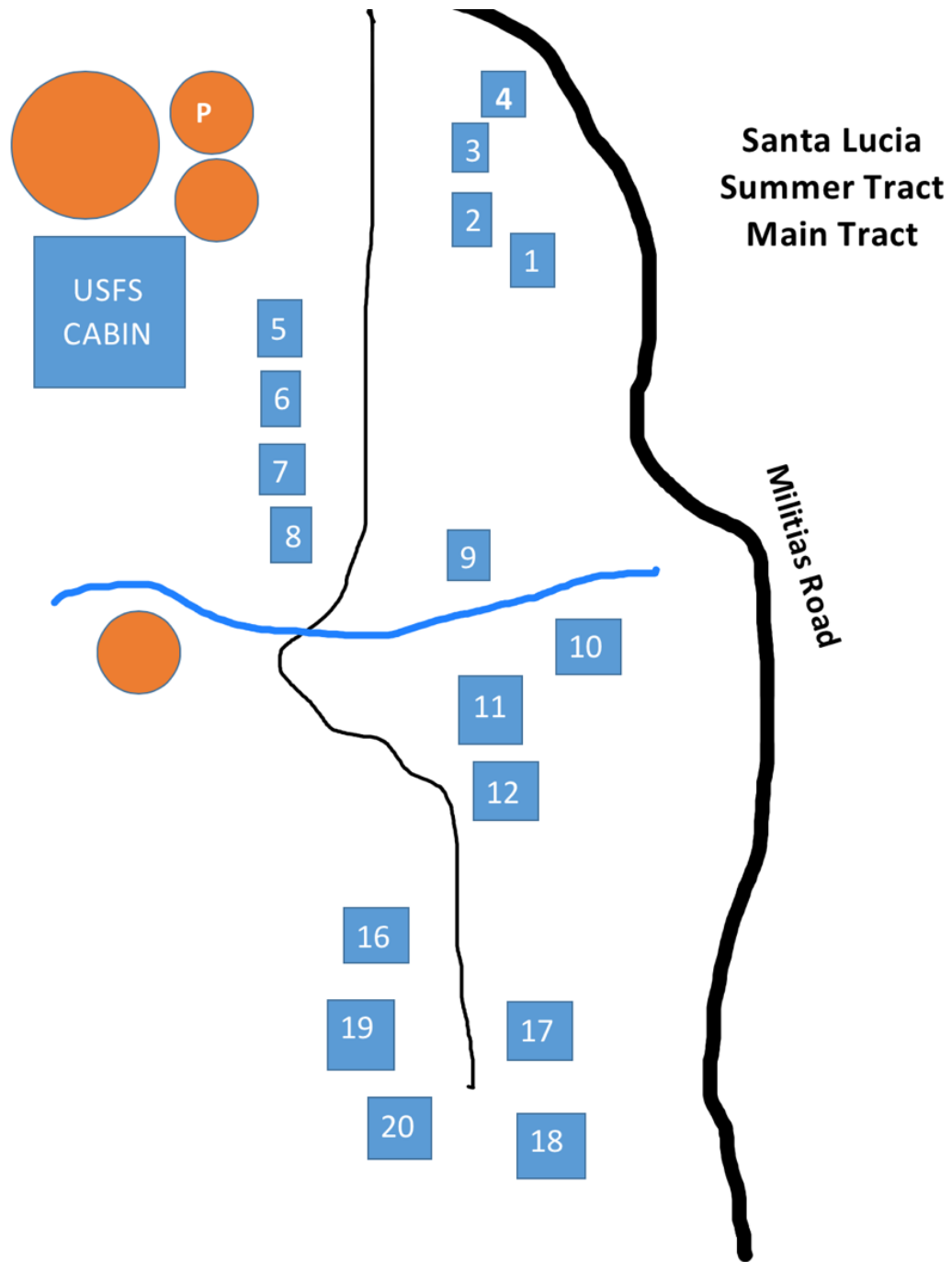
- A Mark III pump in the stream by the Monterey Sportsman Club feeds one 6000 gallon portable tank. Another Mark III pump from this location and a 1,200 foot hoselay feeds one 6,000 gallon and two 3,000 portable tanks that are set up in front of the historic USFS historic cabin. From there, a hoselay feeds a sprinkler system to lots 1-13 and the USFS historic cabin. Lots 16-20 are fed from a Mark III pump and 3,000 gallon portable tank fed from a creek below Lot 21. There is another 3,000 gallon portable tank located across from lot 10 for engines to draft from.

Middle Track:

- Lots 21, 22, and 23 have a 3,000 portable tank and Mark III pump located at Lot 21 as previously mentioned. This tank is fed from another Mark III pump located in the creek between the upper section of the Main Track and the Middle track. One inch laterals were placed near every structure.

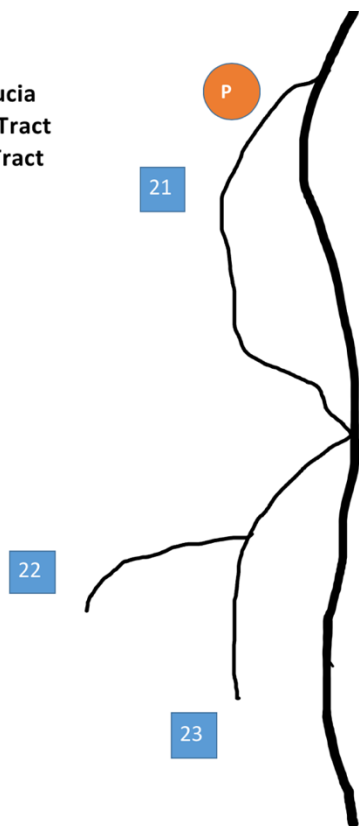
Southern Tract:

- Lots 26, 27, and 28 are located one and a quarter mile south on the Main Track of cabins on Milpitas Road. A inch and a half hoselay feeds a sprinkler system that is fed from a Mark III pump located behind and down creek from Lot 28.



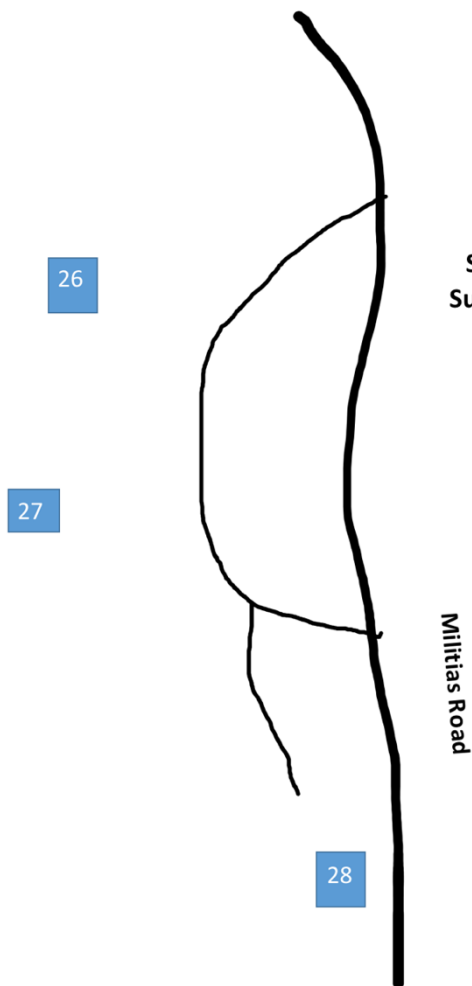
Portable tanks are shown as orange circles. The larger circles are 6,000 gallons and the smaller circles are 3,000 gallons. Orange circles with a "P" in the center represents the Mark III pump location.

Santa Lucia
Summer Tract
Middle Tract



Militias Road

Santa Lucia
Summer Tract
Southern
Tract



Militias Road